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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/006,719	12/10/2001	Aleksandr O. Ryzhov	10018530-1	3647

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HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER
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PESIN, BORIS M

ART UNIT	PAPER NUMBER
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2174

DATE MAILED: 08/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/006,719	<b>Applicant(s)</b> RYZHOV, ALEKSANDR O.	
	<b>Examiner</b> Boris Pesin	<b>Art Unit</b> 2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 14 June 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

20

## **DETAILED ACTION**

### ***Response to Amendment***

This communication is responsive to Amendment B, filed 06/14/2005.

Claims 1-24 are pending in this application. Claims 1, 9, and 15 are independent claims. In the Amendment B, Claims 1, 4, 9, 12, 15, and 18 were amended and claims 21-24 were added as new. This action is made Final.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-20, 22, and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kimberley Burchett <http://www.kimbly.com/code/dnd/index.html> in view of The Windows Interface.

In regards to claim 1, Burchett teaches installing one or more keyboard and mouse event listeners to a Java application implemented in a window, wherein the one or more keyboard and mouse event listeners follows movements of a mouse cursor (See Figures 1-4, there are listeners in Burchett to follow the position of the cursors as illustrated by the source code of Burchett See Figure 5); Burchett further teaches attaching a custom glass pane to the window of the Java application, wherein the mouse cursor is located in the window, and displaying a drag image approximate the mouse cursor using the custom glass pane (inherent in Burchett because all Java JFrames have glass panes to record positions of pointers and cursors See Appendix A). Burchett further teaches a method wherein the drag image represents the dragged object and moves with the mouse cursor (See Figures 1-4, The image is being dragged from one window to another window and one can see the image being dragged). Burchett does not teach a method wherein the drag image is a ghost image of the drag object and wherein the ghost image disappears after the drag and drop operation. The Windows Interface teaches, "For drag-and-drop operations, applications should provide the following types of visual feedback: As the pointer moves, the object, its outline, or some reasonable representation should move along with the pointer"(Page 39). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Burchett with the teachings of The Windows Interface and include a ghost image

of the object being dragged with the motivation to the user with the ability to better track the progress of an operation (The Windows Interface, Page 37).

In regards to claim 2, Burchett teaches a method further comprising removing the custom glass pane from the window after the drag and drop operation (inherent in Burchett because the focus is moved from one window to another).

In regards to claim 3, Burchett teaches a method wherein the displaying step includes repainting the drag image using the custom glass pane (See Figures 1-4 the picture is repainted each time it is dragged).

In regards to claim 4, Burchett teaches method wherein the displaying step comprises: detaching the custom glass pane from a previous window of the Java application; and attaching the custom glass pane to a next window of the Java application where the mouse cursor is currently located (see Figures 2 and 3, the focus is moved from one window to another therefore moving the glass pane form one window to another).

In regards to claim 5, Burchett teaches a method wherein the displaying step includes using a standard drag and drop application programming interface (API) specification (See Figures 1-4, Java API is used to create the functionality of dragging (i.e. Java Applet window)).

In regards to claim 6, Burchett teaches a method wherein the installing step includes installing the one or more keyboard and mouse event listeners at a global application level (See Figures 1-4, This example is being run on Windows NT therefore it is inherent that the listeners are global to the operating system).

In regards to claim 7, Burchett teaches a method further comprising saving a currently installed glass pane in a storage device before attaching the custom glass pane to the window (See Figures 1-4, the states are saved each time the cursor is moved and before any clicks).

In regards to claim 8, Burchett teaches a method further comprising reattaching a previously saved glass pane to the window after removing the custom glass pane from the window after the drag and drop operation (See Figure 4, when the mouse button is let go and the dragging stops the regular glass pane is utilized to show the location of any images in the window).

In regards to claim 22, Burchett teaches a method wherein the displaying the drag image step utilizes Java library functions (See Figures 1-4, since this is done in Java for Java applications it must use Java libraries).

Claim 9 is in the same context as claim 1; therefore it is rejected under similar rationale.

Claim 10 is in the same context as claim 2; therefore it is rejected under similar rationale.

Claim 11 is in the same context as claim 3; therefore it is rejected under similar rationale.

Claim 13 is in the same context as claim 7; therefore it is rejected under similar rationale.

Claim 14 is in the same context as claim 8; therefore it is rejected under similar rationale.

Claim 15 is in the same context as claim 1; therefore it is rejected under similar rationale.

Claim 16 is in the same context as claim 2; therefore it is rejected under similar rationale.

Claim 17 is in the same context as claim 3; therefore it is rejected under similar rationale.

Claim 19 is in the same context as claim 7; therefore it is rejected under similar rationale.

Claim 12 is in the same context as claim 4; therefore it is rejected under similar rationale.

Claim 18 is in the same context as claim 4; therefore it is rejected under similar rationale.

Claim 20 is in the same context as claim 8; therefore it is rejected under similar rationale.

Claim 24 is in the same context as claim 22; therefore it is rejected under similar rationale.

Claims 21 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kimberley Burchett <http://www.kimbly.com/code/dnd/index.html> in view of The Windows Interface further in view of Gershony et al. (US 6549218).

In regards to claim 21, Burchett and The Windows Interface teach all the limitations of claim 1. They do not teach a method wherein the drag image is made

half-transparent by changing alpha channel values for each pixel of an original image. Gershony teaches, "Some special effects, such as transparency are identified by an alpha value, which enables further programs to manipulate the window in its associated bit map to make it appear transparent." (Abstact). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Burchett and The Windows Interface with the teachings of Gershony and include a method to make the image half-transparent with the motivation to provide the user a convenient method of observing objects that are underneath the dragged image.

Claim 23 is in the same context as claim 21; therefore it is rejected under similar rationale.

### ***Response to Arguments***

Applicant's arguments with respect to claims 1-24 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not



mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

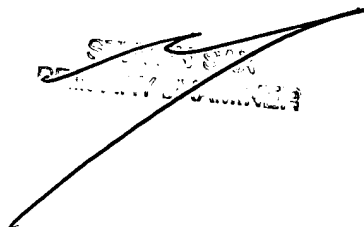
### ***Inquiry***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Boris Pesin whose telephone number is (571) 272-4070. The examiner can normally be reached on Monday-Friday except every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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A handwritten signature in black ink, appearing to be 'Boris Pesin', written over a faint, illegible stamp.